

0085261

**SAF-RC-030**  
**Remaining Sites Confirmation Sampling -**  
**Other**  
**FINAL DATA PACKAGE**

**COMPLETE COPY OF DATA PACKAGE TO:**

Kathy Wendt H4-21

KW 12/16/09  
INITIAL/DATE

**COMMENTS:**

**SDG D9338051**

**SAF-RC-030**

Rad only

☒ Chem only

Rad & Chem

☒ Complete

Partial

**Waste Site: 100-H Area**

**RECEIVED**  
DEC 31 2009  
**EDMC**



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## Cover



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Report Identification Number: D9338051  
Subcontract Number: S003827A00  
Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Henry Ruby / William Brasker  
Laboratory Identification Number: DCHM  
SAF#: RC-001 / EL-1601-3  
Sample Receipt Date: 12/04/2009

### Sample Information

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
12/02/2009	J19C30	9338051001	NIOSH 9002	39521	Bulk

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Name: Peter P. Steen  
Title: Chemist  
Date: December 14, 2009



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## Case Narrative

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Report Identification Number: D9338051  
Subcontract Number: S003827A00  
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Laboratory Identification Number: DCHM  
SAF#: RC-001 / EL-1601-3  
Sample Receipt Date: 12/04/2009

**General Workorder Information:** There is one sample in workorder 9342049 which was analyzed for asbestos in bulk material. No problems were encountered with the receipt of this sample.

**Method Summary:** All samples were examined for homogeneity. Non-homogeneous samples were ground to ensure homogeneity. Distinct layers were analyzed separately. The samples were prepared and examined for asbestos fibers utilizing the procedures outlined in NIOSH method 9002 (4<sup>th</sup> edition). A polarizing light microscope equipped with a 10x and a 16x eyepiece was used for the analysis. The area percentage of asbestos was estimated microscopically by a visual estimation of the fibers with a length-to-width aspect ratio of 3:1 or greater. If present, asbestos identities were confirmed with the appropriate refractive index oils applying dispersion staining techniques.

**Sample Preparation:** All samples were prepared in accordance with NIOSH method 9002 (4<sup>th</sup> edition).

**Initial and Continuing Calibration Verification Analysis:** N/A

**Initial and Continuing Calibration Blank Analysis:** N/A

**Method Blank Analysis:** N/A

**Dilution(s):** N/A.

**Laboratory Control Sample and Duplicate Analysis:** One Laboratory Control Sample (LCS) was prepared and analyzed with the sample batch. The results were within the control limit of +/- one reporting range.

**Replicate Analysis:** One sample was replicated with this analysis batch.

**Flagging Codes:** None

**Nonconformance/Corrective Action Report (NC/CAR):** N/A

**Sample Calculation:** Sample results are reported by a visual estimation of the area percentage of asbestos. If necessary, a gravimetric ashing procedure may be used to remove certain non-asbestos material from the sample; a percentage calculation is used to correct for the removal of the non-asbestos material.

**Miscellaneous Comments:**

9338051001: Whitish, powder/fibrous pipe insulation.



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## Results

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Report Identification Number: D9338051  
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Laboratory Identification Number: DCHM  
SAF#: RC-001 / EL-1601-3  
Sample Receipt Date: 12/04/2009

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Chrysotile %	Amosite %	Crocidolite %
J19C30	9338051001	12/14/2009	5.0	20	<1 U
Required Detection Limit (RDL)			1	1	1

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Actinolite/Tremolite %	Anthophyllite %
J19C30	9338051001	12/14/2009	<1 U	<1 U
Required Detection Limit (RDL)			1	1

U - Parameter not detected above LOD

J - Parameter between LOD and RDL

\*\* - Not provided or unable to calculate

NA - Not Applicable



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## QC Summary

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Report Identification Number: D9338051

Subcontract Number: S003827A00

Name of Industrial Hygienist: Gwen Whatley / Debbie Gothard / Henry Ruby / William Brasker

Laboratory Identification Number: DCHM

SAF: RC-001 / EL-1601-3

Sample Receipt Date: 12/04/2009

Batch ID: 39521

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target
QC100115	LCS	Amosite	%	ND	-	ND
QC100115	LCSD	Amosite	%	ND	-	ND
QC100115	LCS	Chrysotile	%	3%	-	3%
QC100115	LCSD	Chrysotile	%	5%	-	3%

MB - Method Blank

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MSD - Matrix Spike Duplicate

LD - Laboratory Duplicate

NA - Not Applicable

ND - Parameter not detected above LOD

$LCS, LCSD \text{ Percent Rec.} = (\text{Result} / \text{Target}) * 100.0$

$MS, MSD \text{ Percent Rec.} = ((\text{Result} - \text{Parent}) / \text{Target}) * 100.0$

$LCS, LCSD \text{ Relative Percent Diff.} = ( (|LCS - LCSD|) / ((LCS + LCSD)/2.0) ) * 100.$

$MS, MSD \text{ Relative Percent Diff.} = ( (|MS - MSD|) / ((MS + MSD)/2.0) ) * 100.$

$LD \text{ Relative Percent Diff.} = ( (|Parent - LD|) / ((Parent + LD)/2.0) ) * 100$



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COC

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2009-12-04 9338061-01

9338051

2009-12-04

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RC-030-122

Price Code 9C

Data Turnaround 7 Days

Project Coordinator KESSNER, JH

SAF No. RC-030

Method of Shipment FEDEX

Bill of Lading/Air Bill No. 122 05PC

COA C10H46A990

Offsite Property No. A00063

Shipped To ALS Laboratories - Salt Lake City

POSSIBLE SAMPLE HAZARDS/REMARKS

Potential Acute

Special Handling and/or Storage

None

SAMPLE ANALYSIS

Sample No.	Matrix *	Sample Date	Sample Time	Preservation	Noise	Type of Container	No. of Container(s)	Volume	Adhesive Bulk (NOSH 902)
J19C30	OTHER	12/14/09	1245						
J46C31	OTHER								
J46C32	OTHER								
J46C33	OTHER								
J46C34	OTHER								

SPECIAL INSTRUCTIONS

RECEIVED BY DATE 12-3-09

Signature/Print Names

Received By/Store In Date/Time 12/2/09 14:50

Received By/Store In Date/Time 12/14/09 1600

Received By/Store In Date/Time 12/14/09 1600

Received By/Store In Date/Time 12/3/09 12:30

Received By/Store In Date/Time 12/14/09 1600

Received By/Store In Date/Time 12/14/09 1600

Received By/Store In Date/Time 12/14/09 1600

LABORATORY SECTION

Received By

FINAL SAMPLE DISPOSITION

Disposal Method

Disposed By

Date/Time

Disposal Method

Date/Time

WCH-EE-011